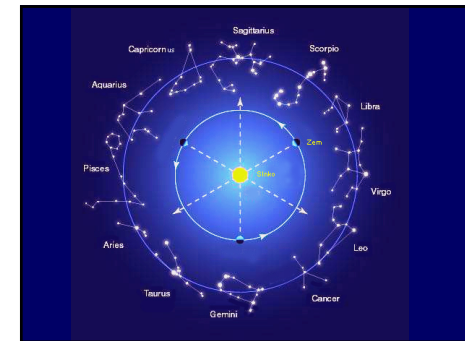
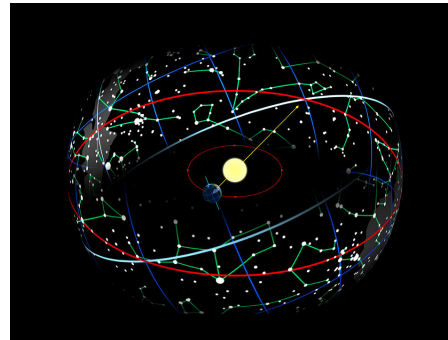


# Ichtyológia - 1 - Úvod a história



|                                  |                                         |
|----------------------------------|-----------------------------------------|
| Aries ♈ 21. marec-20. apríl      | Libra ♎ 24. september-23. október       |
| Taurus ♉ 21. apríl-21. máj       | Scorpio ♏ 24. október-22. november      |
| Gemini ♊ 22. máj-21. jún         | Sagittarius ♐ 23. november-21. december |
| Cancer ♋ 22. jún-23. júl         | Capricornus ♑ 22. december-20. január   |
| Leo ♌ 24. júl-23. august         | Aquarius ♒ 21. január-19. február       |
| Virgo ♍ 24. august-23. september | Pisces ♓ 20. február-20. marec          |

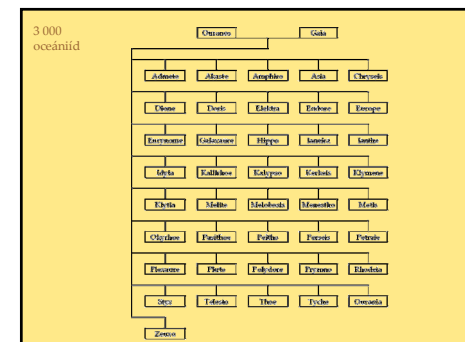
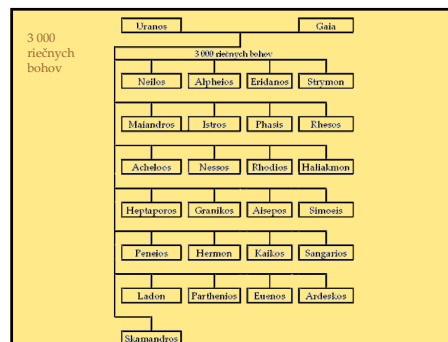
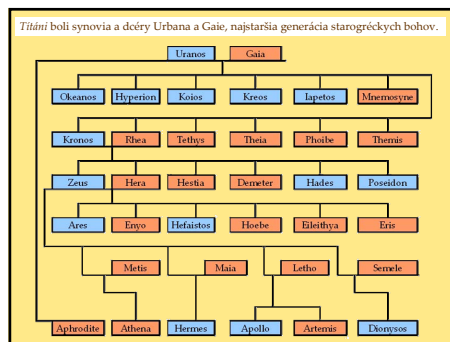


Afrodita (Ἀφροδίτη, Rimania ju nazýval Venus) a jej syn Eros (Ἔρως, v Ríme Amor) sa prechádzali po brehu rieky Eufkrat.

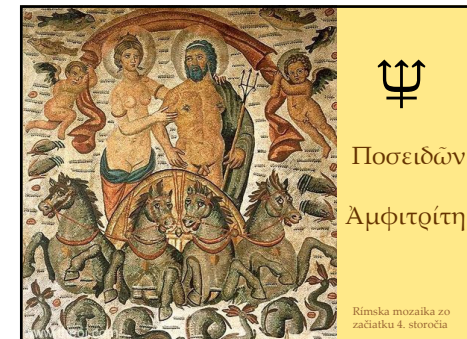
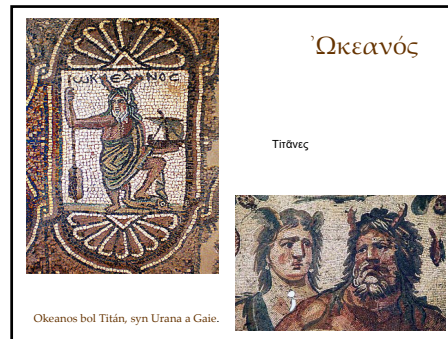
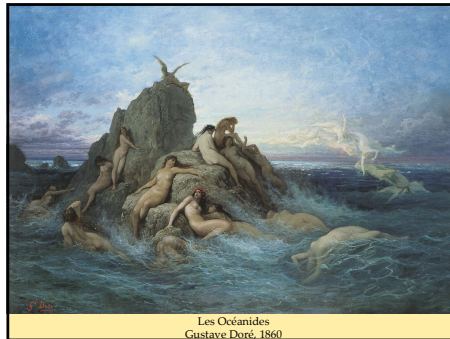
Náhle sa pred nimi objavil stohlavý obor Tyfón (Τυφών), ktorý sa dokázal zmeniť do dračej, psej aj ľudskej podoby a ničil všetko, čo mu prišlo do cesty.

Vydesená Afrodita skočila aj s Erotom do Eufratu, kde sa obaja premenili na ryby.

Na pamiatku toho, ako rýchlo unikli Tyfónovi, boli prenesení na oblohu. Tyfóna neskôr Zeus ochromil bleskom a uväznil pod sicílskou Etnou.



# Ichtyológia - 1 - Uvod a historia

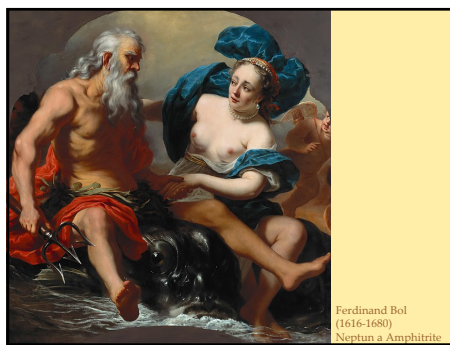


Poseidon (Ποσειδῶν, ekvivalent rímskeho Neptúna) bol bohom mora, víchrov, zemetrasení a koňov.

Je otcom mnohých gréckych hrdinov a mýtickým predkom početných kráľovských rodov.

Amfitrita a Poseidón mali spolu niekoľko detí. Najznámejší z nich je morský boh Tritón, ktorý má hornú polovicu tela mužskú, ale dolnú tvorí rybí chvost.

Medzi potomstvo Aphitrite patria aj tulene a delfíny.



Ποσειδῶν  
Τριτον  
Πρωτεύς



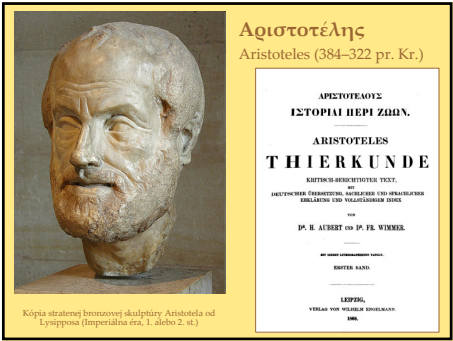
Ichtyológia - 1 - Uvod a historia



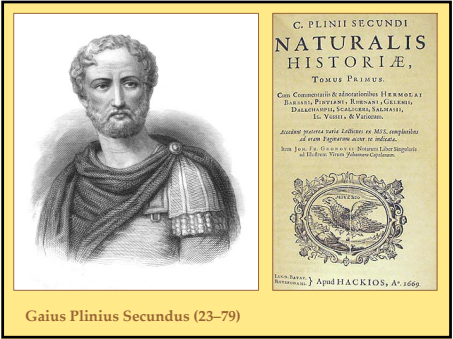
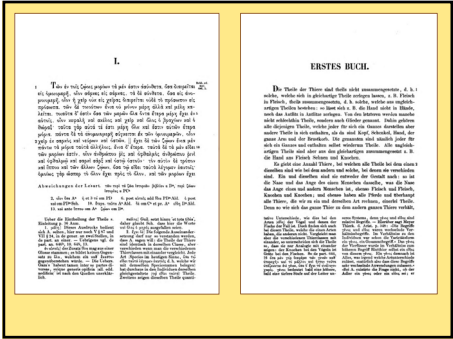
Fontana del Tritone, Gianlorenzo Bernini, Piazza Barberini, Roma



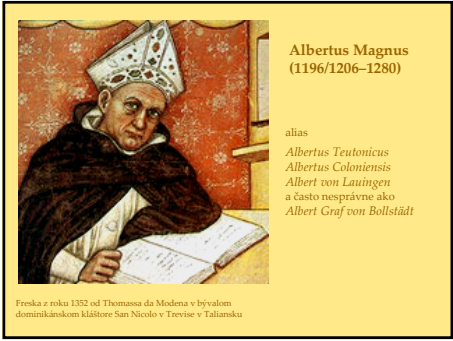
Aristaeus zápasí s Proteom mentiacim podobu



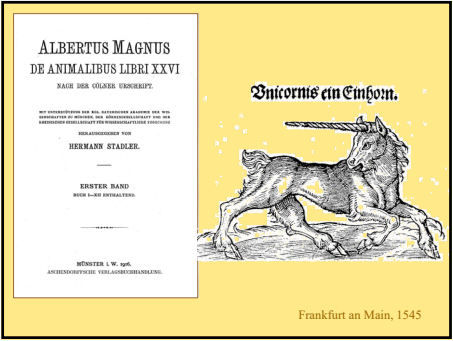
Kópia starostej byzantskej skulptúry Aristotela od Lysipposu (imperátora sta. 1. alebo 2. st.)



Gaius Plinius Secundus (23–79)



Freska z roku 1352 od Thomassa da Modena v bývalom dominikánskom kláštore San Nicolo v Treviso v Taliansku



Frankfurt an Main, 1545



Sebastian Münster (1488–1552)

Ichthyológia - 1 - Uvod a historia



1545

Cosmographia  
Beschreibung aller Lender durch  
Sebastianum Munsterum  
in wöcher begriffen.  
Aller Völker Herrschafften  
Stetten / vnd namhafftiger  
fleckten harkömen: Sitten /  
gebreuch / ordnung / glauben /  
setten und hantering / durch  
die ganze welt / und fürnemlich  
Teütscher nation.



Münster: Meerwunder und seltsame Theier. Basel, 1552.



Guillaume Rondelet (1507–1566)

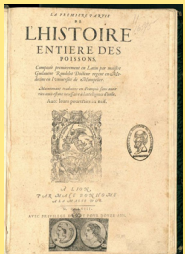
GVILIELMI  
**RONDELETII**  
DOCTORIS MEDICI  
ET MEDICINAE IN SCHOLA  
MONTEPULCHANI  
PROFESSORIS  
1545

Libri de Piscibus Merminis quibus  
vires huiusmodi figuris expellit. Item  
de iure Piscium huiusmodi merminis, iuxta  
Huiusmodi paginas et de iure.



Apud Martinum Balthem.  
"M. D. LIII."  
Cum Privilegio Regni Aragonie regni.

Histoire entiere des poissons. Lyon, 1558



LE VIII. LIVRE  
Du Thon.



DE PISCIBVS  
De Pallas seu Galla marino.



CAPIT. XII.

LIBER XI.  
De Pallas seu Galla marino.



CAPIT. XI.

GVILIELMI  
**RONDELETII**  
DOCTORIS MEDICI  
ET MEDICINAE IN SCHOLA  
MONTEPULCHANI  
PROFESSORIS  
1545

Veneris apud hunc Historiam per alios,  
cum videri ipsorum linguarum.

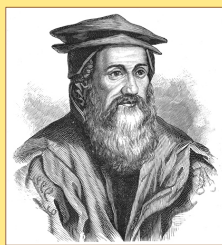


Apud Martinum Balthem.  
"M. D. LIII."  
Cum Privilegio Regni Aragonie regni.

LIBER II.  
De Pallas seu Galla marino.



CAPIT. XII.



Conrad Gessner (1516–1565)

CONRADI GESNERII  
medici Tigurini Historia Animalium  
Liber III. qui est de Piscium &  
Aquarum animalium  
natura.

CVM ICONIBVS INCVLIS AD  
VITA REPERIRE POSSVNT.



1558

Spisbuch

Das ist ein kurtze / doch vollkomne be-  
schreibung aller fische in dem Meer und in allen  
Gewässern. Von der Natur und Eigenschaften  
der fische. Von der Fütterung und Zucht der fische.  
Von der Fütterung und Zucht der fische.



1575

Historia naturalis. CLXXII



Fischbuch, das ist ein kurtze doch vollkomne beschreibung aller fische so in dem Meer vnd  
süssen wasseren seen flüssen oder andern bächen je wonung habend sampt jr waaren contrerfactur ...  
Erstlich in latin durch ... D. Conradt Gessner beschriben: yetz newlich aber durch D. Conradt Foret ...  
in das teütsch gebracht.

Merck Waffelst.



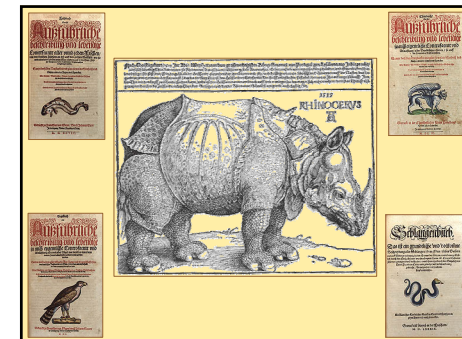
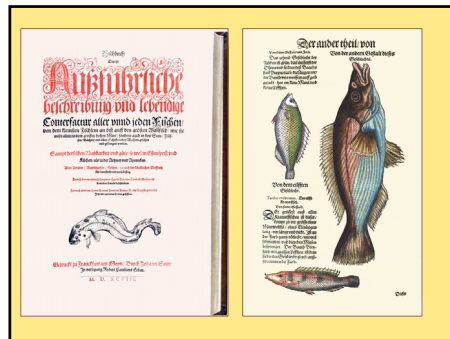
1575

So auff erden und in wasser sind. CCII

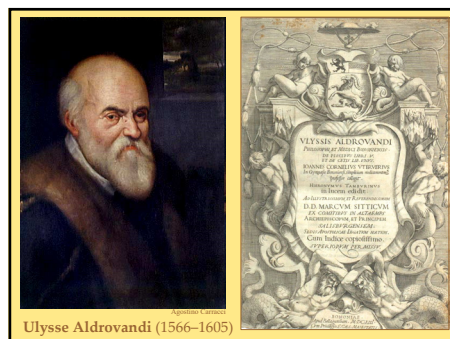
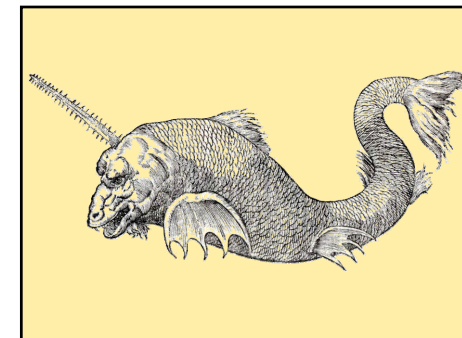


1575

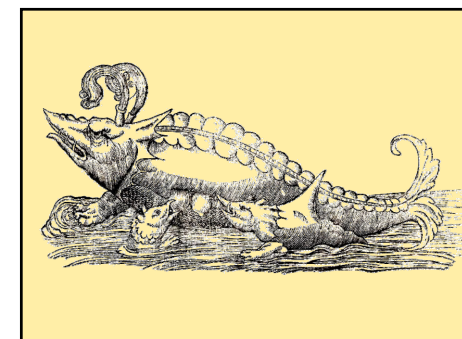
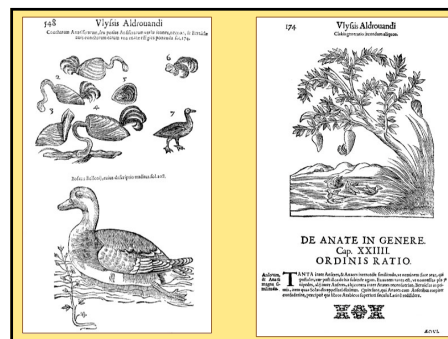
# Ichthyológia - 1 - Uvod a historia



Pierre Belon (1517–1564)



Ulysse Aldrovandi (1566–1605)



# Ichtyológia - 1 - Uvod a historia



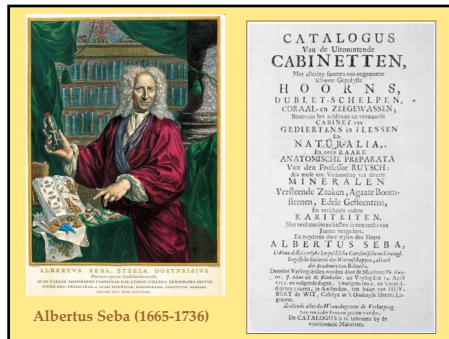
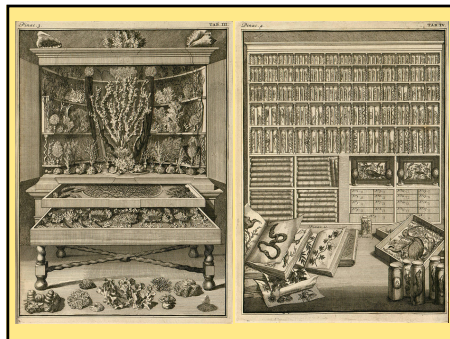
Kabinet kuriozit neapolského lekárnik Ferrante Imperata (1550-1631)



Kabinet kuriozit dánskeho prírodovedca Oleo Worma (1588-1655)



Wondertooneel der Natuur v Amsterdam v roku 1715 podľa Levina Vincenta (1658-1727)



Albertus Seba (1665-1736)

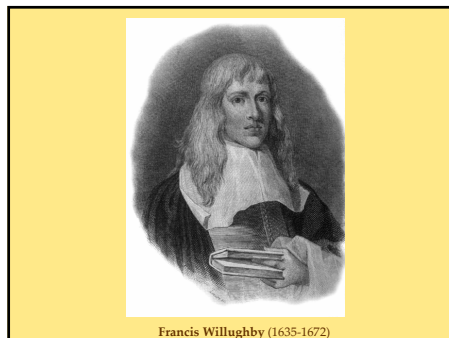
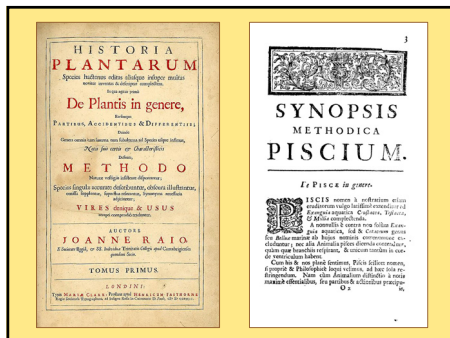


John Ray (1627-1705)

V roku 1686 podal v monografii *Historia plantarum* biologickú definíciu druhu:

„Napadlo ma, že nie istejšieho kritéria pre určenie druhu než rozlišovacie znaky, ktoré sa naveky zachovávajú pri rozmnožovaní zo semien. Teda nehádajac na to, aké variácie sa u jedincov alebo druhov vyskytujú, ak vykičta zo semena jednej a tej istej rastliny, sú náhodnými odchyľkami, ale nie takými, aby sa odlišil druh.“

Rovnako živočíchy, ktoré sa špecificky odlišujú, zachovávajú svoj odlišný druh permanentne; jeden druh nikdy nevzide zo semena iného a naopak.“



Francis Willughby (1635-1672)



De historia piscium libri quatuor Oxonii, 1686

Ichtyológia - 1 - Uvod a historia

**Peter Artedi (1705-1735)**

**I. MALACOPTERYGII**

- Synbranchii [4]
- Cobitis [3]
- Cyprinus [19]
- Channa [4]
- Argentinus [1]
- Esoxomus [2]
- Corygonus [4]
- Osmorus [2]
- Silurus [10]
- Esox [3]
- Echeneis [1]
- Coryphæus [2]
- Ammodon [1]
- Pleurocentrus [10]
- Strumator [1]
- Gadus [11]
- Ambloplites [1]
- Muraena [6]
- Ophidion [2]
- Anabrops [1]
- Gymnallus [1]

**II. ACANTHOPTERYGII**

- Blennius [5]
- Gobius [4]
- Xiphias [1]
- Scorpaenidae [2]
- Scorpaenidae [2]
- Cottus [5]
- Zoarces [3]
- Chaetodon [4]
- Gasterosteus [3]

**IV. CHONDROPTERYGII**

- Paromyscus [3]
- Acipenser [2]
- Squalus [14]
- Rana [11]

**ARTEDI**





*Ichthyologia sive opera omnia piscium scilicet: Bibliotheca ichthyologica. Philosophia ichthyologica. Genera piscium. Synonymia specierum. Descriptiones specierum. Omnia in hoc genere perfectiora, quam antea ulla. Posthuma vindicavit, recognovit, coarctavit & edidit Carolus Linnaeus, Med. Doct. & Ac. Imper. MC. Wido Hoff. Lugdun. 1738*



Carl von Linné (1707–1778)

*Carl v. Linné*

Carolus Linnaeus

Portrét Linneho od Pera Krařta (asi z roku 1773)



32-ročný Linné vo svadobnom obleku.  
Oblemalba J. H. Scheffela z roku 1739.

CAROLI LINNÆI, medici,  
DOCTORIS MEDICINÆ,  
SYSTEMA NATURÆ.  
...  
REGNA TRIA NATURÆ  
SYSTEMATICE PROPOSITA  
...  
CLASSES, ORDINES,  
GENERA, & SPECIES.

IN VOLUMINE PRIMO.

PER THEODORUM HAAK, MDCCXXXIX.

JOHANNES WILHELMUS DE GRÖBE

Linnaeus, C. Systema naturæ, sive regna tria naturæ systematice proposita per classes, ordines, genera, & species. T. Haak, Lugduni Batavorum, 1735. pp. 1–12.



*Linnaea borealis* subsp. *borealis* L.  
linnéovka sevěrá (zemlečovité)



Linnaea Gronov ex L. (1753)



מְדַרְבֵּי מַעֲשֵׂיךָ יְיָ  
כָּלם בְּחָכְמָה עָשִׂיתָ  
מְלָאָה דְּאָרְצִין קִנְיָנְךָ:

O JEHOVA!  
Quam ampla sunt opera Tua!  
Quam es omnis sapienter fecisti!  
Quam plena est terra possessione tua!

Ó PANE!  
Aké počtné sú Tvoje diela!  
Ako je všetko múdro vytvorené!  
Aká plná je Zem Tvojho majetku!

Žalm 103 (104), 24

הָמָּה  
בֹּרַךְ  
מַעֲשֵׂיךָ  
יְיָ  
כָּלם  
בְּחָכְמָה  
עָשִׂיתָ  
מְלָאָה  
דְּאָרְצִין  
קִנְיָנְךָ:

mäh-  
rab-bū  
ma-'ā-se-kā  
YaHWeH (adonai)  
kul-lām  
bə-hā-ke-māh  
'ā-sī-tā;  
mā-le-'āh  
hā-'ā-reš  
qin-yā-ne-kā

Ako  
mnohoraké sú  
Tvoje diela  
Pane.  
Všetko  
múdro  
si urobil;  
je plná  
zem  
Tvojho  
stvorenstva.

OBSERVATIONES  
IN  
REGNA III. NATURÆ.

OBSERVATIONES  
IN  
REGNUM ANIMALE.

CAROLI LINNÆI  
PROVERBIA  
...  
REGNUM ANIMALE  
...  
PARADOXA

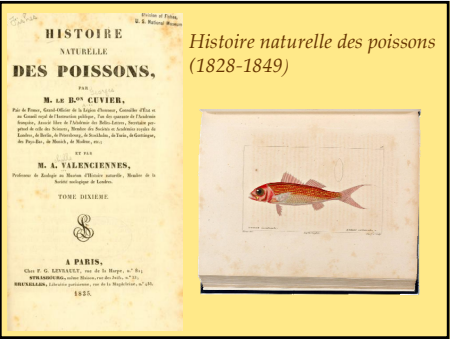
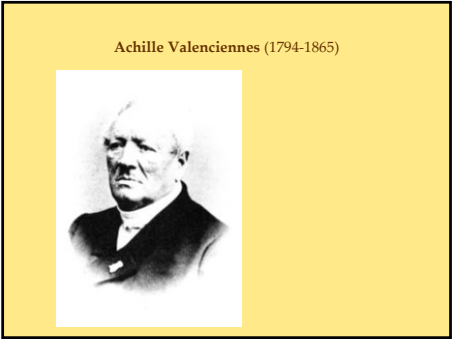
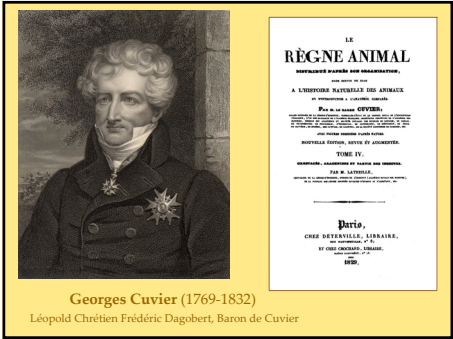
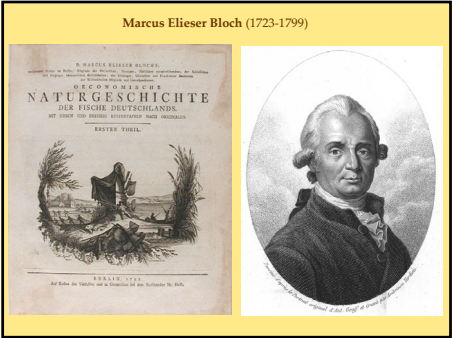
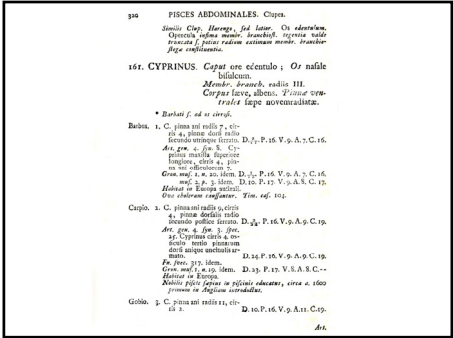
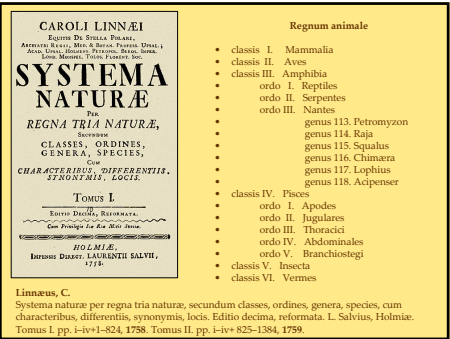
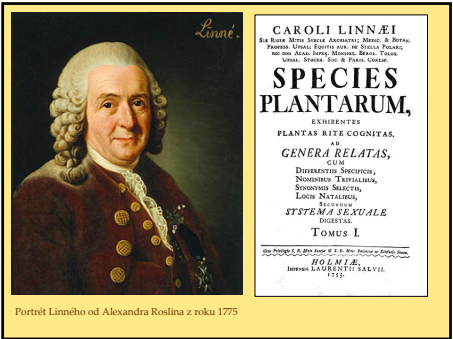


Linnaeus na malbe Martina Hoffmana (1737)



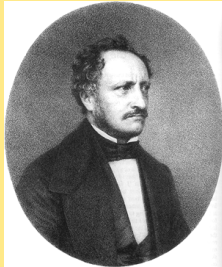
Linnaeus na malbe Hendrika Hollandera (1853)

Ichtyológia - 1 - Uvod a historia



# Ichtyológia - 1 - Uvod a historia

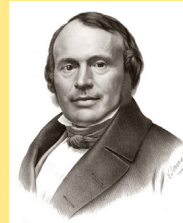
Johannes Peter Müller (1801-1858)



Müller, J. 1844

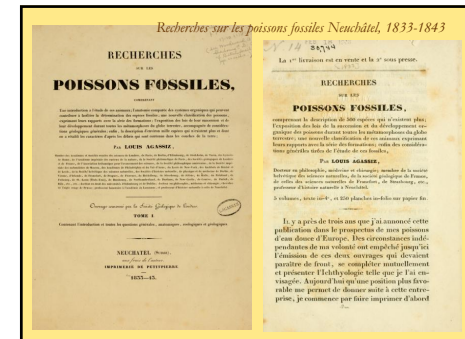
classis Pisces  
subclassis Dipnoi  
subclassis Teleostei  
subclassis Ganoidei  
subclassis Elasmobranchii  
subclassis Marsipobranchii  
subclassis Leptocardii

Jean Louis Rodolphe Agassiz (1807-1873)

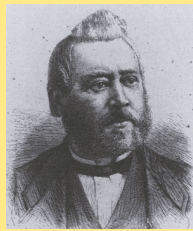
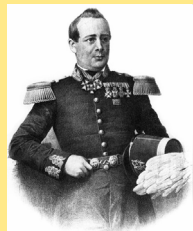


Agassiz, L. 1857

classis Myzontes  
classis Pisces  
classis Ganoidei  
classis Selachii  
classis Amphibia  
classis Reptilia  
classis Aves  
classis Mammalia



Pieter Bleeker (1819-1878)



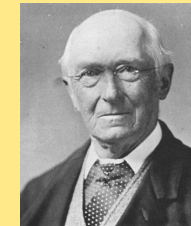
David Starr Jordan (1851-1931)



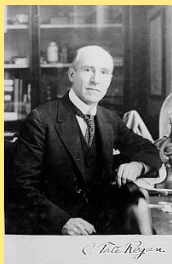
Jordan, D.S. 1923

Leptocardii  
Marsipobranchii  
+ Ostracophori (Ostracoderma)  
+ Arthrodira  
Elasmobranchii  
Crossopterygii  
Selachii  
Holocephali  
Pisces  
Dipneusta  
Actinopterygii  
Ganoidei  
Teleostei

Albrecht Carl Ludwig Gotthilf Günther (1830-1914)



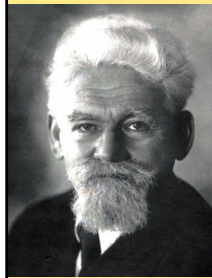
Charles Tate Regan (1878-1943)



Regan, C.T. 1929

Marsipobranchii  
Selachii  
Trematopnea  
Chasmatopnea  
Pisces  
Palaeopterygii  
Neopterygii  
Crossopterygii

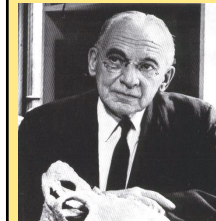
Лев Семенович Берг (1876-1950)



Berg, L. S. 1955

Acrania  
Craniata  
Agnatha  
+ Cephalaspides  
Petrormyzones  
+ Pteraspides  
?+ Palaeospondyli  
Myxini  
Gnathostomata  
Pisces  
+ Pterichthydes  
+ Coccoستي  
+ Acanthodii  
Elasmobranchii  
Holocephali  
Dipnoi  
Teleostomi  
Crossopterygii  
Actinopterygii

Alfred Sherwood Romer (1894-1973)



Romer, A. S. 1933

Agnatha  
+ Placodermi  
Chondrichthyes  
+ Acanthodii  
Elasmobranchii  
+ Rhenanida  
Holocephala  
Osteichthyes  
Actinopterygii  
+ Crossopterygii  
Dipnoi

## Ichtyológia - 1 - Uvod a historia

